

AMENDMENT AND PRESENTATION OF CLAIMS

Please replace all prior claims in the present application with the following claims, in which claims 1-17 are currently amended.

1. (Currently Amended) ~~Message analyser for analysing~~ A message analyzer for analyzing messages which are transmitted via service access points (~~8.1, 8.2, 8.3, 9.1, 9.2, 7.1, 7.2, 7.3~~) from layers (~~1, 2, 3, 4, 5~~) of an Open Systems Interconnection (OSI) ~~OSI~~ reference model of an end system of a subscriber of a mobile telephone system, the message analyser (~~10~~) comprising analyzer comprising:

a storage device (~~13~~) for storing ~~messages~~, messages; and

a selector (~~14~~) for reading in a sequence of temporally successive ~~messages~~ messages;

and a display device (~~15~~) for displaying ~~at least one~~ a first region (~~16~~) and ~~one~~ a second region (~~17~~), wherein

a the sequence of messages, ~~which~~ is read in by means of the selector (~~14~~) from the storage device (~~13~~), ~~being able to be~~ and displayed listed in the first region (~~16~~), wherein

~~characterised in that~~

the selector (~~14~~) determines, for at least one service access point (~~7.1, 7.2, 7.3, 8.1, 8.2, 8.3, 9.1, 9.2~~), a first characteristic feature of the messages which are transmitted via ~~this~~ the one service access point (~~7.1, 7.2, 7.3, 8.1, 8.2, 8.3, 9.1, 9.2~~) and ~~the~~ a course (~~26~~) of ~~this~~ the first characteristic feature ~~can be~~ is displayed on the display device (~~15~~) in the second region (~~17~~).

2. (Currently Amended) ~~Message analyser~~ A message analyzer according to claim 1, wherein:

~~characterised in that~~

the selector (14) determines a second characteristic feature for messages which are transmitted via a plurality of service access points (~~7.1, 7.2, 7.3, 8.1, 8.2, 8.3, 9.1, 9.2~~) of a layer of the OSI reference model, and the a course (26) of ~~this~~ the second characteristic feature ~~can be~~ is displayed on the display device (15) in the second region (~~17~~) ~~of the display device (15)~~.

3. (Currently Amended) ~~Message analyser~~ A message analyzer according to claim 1 ~~or 2~~,
wherein:

~~characterised in that~~

the sequence of messages ~~which is~~ read in by ~~means of~~ the selector (14) is dependent upon a selection with which a specific point (32) of the course (26) of the first characteristic feature ~~can be selected~~ is selectable in the second region (17).

4. (Currently Amended) ~~Message analyser~~ A message analyzer according to claim 3,
wherein:

~~characterised in that~~

at least one specific point ~~can be~~ is marked by a marking (~~33.1, 33.2, 33.3, 33.4~~) in the course (26) displayed in the second region (17) and, upon selection of the marking (~~33.1, 33.2, 33.3, 33.4~~), a sequence of messages which corresponds to the specific point is read in from the storage device (13).

5. (Currently Amended) ~~Message analyser~~ A message analyzer according to claim 3 ~~or 4~~,
wherein:

~~characterised in that~~

~~on the basis of~~ based on the additional items of information stored during storage of messages in the storage device (13), markings (~~34.1, 34.2~~) ~~can be~~ are produced automatically by ~~means of~~ the selector (14).

6. (Currently Amended) ~~Message analyser~~ A message analyzer according to ~~one of the~~

~~claims claim 1 to 5, wherein:~~

~~characterised in that~~

the course (26) of the first characteristic feature ~~can be~~ is displayed in the second region (17) in a coordinate system, wherein the X axis (28) of the coordinate system ~~which~~ is a time axis.

7. (Currently Amended) ~~Message analyser~~ A message analyzer according to claim 6, wherein:

~~characterised in that~~

~~the~~ a third region of the course (26) displayed in the second region, which corresponds respectively to the sequence of messages currently displayed in the first region (16), is highlighted.

8. (Currently Amended) ~~Message analyser~~ A message analyzer according to ~~one of the~~ claims claim 1 to 5, wherein:

~~characterised in that~~

the course of the first characteristic feature ~~can be~~ is displayed in the second region (17) in a coordinate system, wherein the X axis (28) of the coordinate system ~~which~~ is subdivided into intervals each having ~~with~~ an identical number of messages.

9. (Currently Amended) ~~Message analyser~~ A message analyzer according to ~~one of the~~ claims claim 1 to 8, wherein:

~~characterised in that~~

the first characteristic feature is a number of transmitted messages per interval of time ~~and/or~~ a data load of a layer (1, 2, 3, 4, 5) of the OSI reference model ~~and/or~~ a number of messages transmitted repeatedly.

10. (Currently Amended) ~~Method~~ A method using a computer or a digital signal processor for ~~analyzing~~ analysing messages which are transmitted via service access points (~~7.1, 7.2, 7.3, 8.1, 8.2, 8.3, 9.1, 9.2~~) from layers (~~1, 2, 3, 4, 5~~) of an OSI reference model of an end system of a subscriber of a mobile telephone system and which are stored in a storage device (~~13~~), with comprising the following ~~method~~ steps using a computer or a digital signal processor of:

[[~~-~~]] reading in a sequence of messages by ~~means of~~ a selector; (~~14~~) and

[[~~-~~]] ~~display of~~ displaying the sequence of messages; which is read in by ~~means of~~ the selector (~~14~~), in tabular form in a first region (~~16~~) of a display device (~~15~~),
wherein

~~characterised in that~~

a first characteristic feature of messages which are transmitted via at least one service access point (~~7.1, 7.2, 7.3, 8.1, 8.2, 8.3, 9.1, 9.2~~) is determined by ~~means of~~ the selector (~~14~~)

and a course of the first characteristic feature is displayed in a second region (~~17~~) of a the display device (~~15~~).

11. (Currently Amended) ~~Method~~ A method according to claim 10, further comprising:

~~characterised in that~~

determining, by the selector, a second characteristic feature of messages which are transmitted via a plurality of service access points (~~7.1, 7.2, 7.3, 8.1, 8.2, 8.3, 9.1, 9.2~~) of a layer (~~1, 2, 3, 4, 5~~) of the an OSI reference model is ~~determined by means of~~ the selector (~~14~~).

12. (Currently Amended) ~~Method~~ A method according to claim 10 ~~or 11~~, further comprising:

~~characterised in that,~~

selecting, in the second region (17), a specific point (32) of the course (26) of the first characteristic feature; ~~is selected and~~

reading in, by the selector, ~~that~~ a sequence of messages dependent upon the specific point (32) ~~is read in by the selector (14).~~

13. (Currently Amended) ~~Method~~ A method according to ~~one of the claims claim~~ 10 to 12, wherein:

~~characterised in that,~~

in the second region (17), at least one specific point of the course (26) of the first characteristic feature is marked by ~~means of~~ at least one marking, (33.1, 33.2, 33.3, 33.4) and

upon selection of the marking (33.1, 33.2, 33.3, 33.4), dependent upon the specific point marked by the marking (33.1, 33.2, 33.3, 33.4), a corresponding sequence of messages is read in by ~~means of~~ the selector (14) from the storage device (13).

14. (Currently Amended) ~~Method~~ A method according to claim 13, wherein:

~~characterised in that,~~

during storage of the messages in the storage device (13), additional items of information are stored, and

dependent upon ~~these~~ the additional items of information, markings (34.1, 34.2) are produced automatically in the second region (17) by ~~means of~~ the selector (14).

15. (Currently Amended) ~~Method~~ A method according to ~~one of the claims claim~~ 10 to 14, wherein:

~~characterised in that~~

at least one characteristic feature is displayed in the second region (17) in a coordinate system, wherein the X axis of the coordinate system (28) ~~of which~~ is a time axis.

16. (Currently Amended) ~~Method~~ A method according to claim 15, wherein:

~~characterised in that~~

~~the~~ a third region which corresponds respectively to the sequence of messages displayed in tabular form in the first region (16) is displayed highlighted in the second region (17).

17. (Currently Amended) ~~Method~~ A method according to ~~one of the claims~~ claim 10 to 14, wherein:

~~characterised in that~~

~~the at least one~~ first characteristic feature is displayed in the second region (17) in a coordinate system, wherein the X axis (18) of the coordinate system ~~which~~ is sub-divided into intervals ~~with~~ each having an identical number of messages.